

Application No. 10/081,133
Reply to Office Action dated May 3, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of the claims in the application.

Response to the Restriction:

Applicant elects Group II (claims 21, 25 and 27-29) with traverse.

Listing of Claims:

1-24. (Canceled).

25. (Previously presented) The insulation material of claim 27 wherein the metal layer is aluminum.

26. (Cancel).

27. (Previously presented) An insulation material comprising a polyurethane insulation layer, a metal layer and a polyamide layer, and at least two adhesive layers, the polyamide layer adhesively applied to the metal layer by extrusion in a form when the polyamide is not substantially crystalline and is glutinous, the metal layer with the not substantially crystalline polyamide being adhesively applied to the insulation layer when the polyamide is a glutinous form and then the polyamide being heated between 120° to 140°C for a time effective for crystallizing the polyamide from its glutinous form to form the polyamide layer.

28. (Previously presented) The insulation material of claim 27 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

29. (Previously presented) The insulation material of claim 25 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

30-47. (Canceled).

Application No. 10/081,133
Reply to Office Action dated May 3, 2005

48. (New) An insulation material comprising a polyurethane insulation layer, a metal layer and a polyamide layer, and at least two adhesive layers, the polyamide layer joined to an adhesive layer on the metal layer when the polyamide is not substantially crystalline and is glutinous, the metal layer with the not substantially crystalline polyamide being joined to an adhesive layer on the insulation layer when the polyamide is in a glutinous form and then the glutinous polyamide being heated for a time and temperature effective for crystallizing the glutinous polyamide to form the polyamide layer.

49. (New) The insulation material of claim 48 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

50. (New) The insulation material of claim 48 wherein the metal layer is aluminum.

51. (New) The insulation material of claim 50 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

52. (New) An insulation material comprising a polyurethane insulation layer, a metal layer and a polyamide layer, the polyamide layer joined to the metal layer when the polyamide is not substantially crystalline and is glutinous, the metal layer with the not substantially crystalline polyamide being joined to the insulation layer with the polyamide when the polyamide is in a glutinous form and then the glutinous polyamide being heated for a time and temperature effective for crystallizing the glutinous polyamide to form the polyamide layer.

53. (New) The insulation material of claim 52 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

54. (New) The insulation material of claim 52 wherein the metal layer is aluminum.

55. (New) The insulation material of claim 54 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

Application No. 10/081,133
Reply to Office Action dated May 3, 2005

56. (New) The insulation material of claim 52 wherein the polyamide is heated between 120° to 140°C for a time effective for crystallizing the polyamide from its glutinous form to form the polyamide layer.

57. (New) The insulation material of claim 53 wherein the polyamide is heated between 120° to 140°C for a time effective for crystallizing the polyamide from its glutinous form to form the polyamide layer.

58. (New) The insulation material of claim 54 wherein the polyamide is heated between 120° to 140°C for a time effective for crystallizing the polyamide from its glutinous form to form the polyamide layer.

59. (New) The insulation material of claim 55 wherein the polyamide is heated between 120° to 140°C for a time effective for crystallizing the polyamide from its glutinous form to form the polyamide layer.

60. (New) The insulation material of claim 57 wherein the polyamide is heated for 1 to 5 minutes.